

Declaration and Power of Attorney For Patent Application

English Language Declaration

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

MONOCLONAL ANTIBODY RECOGNIZING PHOSPHATIDYLINOSITOL-3,4,5-Triphosphate

the specification of which

(check one)

☐ is attached hereto.

☒ was filed on February 24, 1999 as United States Application No. or PCT International Application Number 09/257,069 and was amended on _____ (if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or Section 365(b) of any foreign application(s) for patent or inventor's certificate, or Section 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate or PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)			Priority Not Claimed
<u>10-252921</u>	<u>Japan</u>	<u>7/9/1998</u>	<input type="checkbox"/>
(Number)	(Country)	(Day/Month/Year Filed)	
<u> </u>	<u> </u>	<u> </u>	<input type="checkbox"/>
(Number)	(Country)	(Day/Month/Year Filed)	
<u> </u>	<u> </u>	<u> </u>	<input type="checkbox"/>
(Number)	(Country)	(Day/Month/Year Filed)	

I hereby claim the benefit under 35 U.S.C. Section 119(e) of any United States provisional application(s) listed below:

(Application Serial No.)

(Filing Date)

(Application Serial No.)

(Filing Date)

(Application Serial No.)

(Filing Date)

I hereby claim the benefit under 35 U. S. C. Section 120 of any United States application(s), or Section 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. Section 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, C. F. R., Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

(Application Serial No.)

(Filing Date)

(Status)
(patented, pending, abandoned)

(Application Serial No.)

(Filing Date)

(Status)
(patented, pending, abandoned)

(Application Serial No.)

(Filing Date)

(Status)
(patented, pending, abandoned)

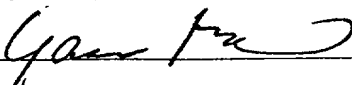
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

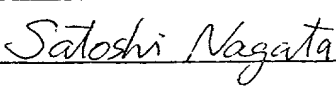
POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (list name and registration number)

Peter F. Corless (Reg. 33860)
David G. Conlin (Reg. 27026)
George W. Neuner (Reg. 26964)
Linda M. Buckley (Reg. 29822)
Robert L. Buchanan (Reg. 40927)
Christine C. O'Day (Reg. 38256)

Send Correspondence to: Peter F. Corless, Esq.
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130 Water Street
Boston, MA 02109

Direct Telephone Calls to: (name and telephone number)
Peter F. Corless (617) 523-3400

Full name of sole or first inventor	Yasuhisa FUKUI	
Sole or first inventor's signature		Date 3/5/99
Residence	5-7-6 Kichijouji Kita-cho, Musashino-shi, Tokyo 180-0001 JAPAN	
Citizenship	Japan	
Post Office Address	same as residence	

Full name of second inventor, if any	Satoshi NAGATA	
Second inventor's signature		Date 3/8/99
Residence	3-28-24-503 Takaido Higashi, Suginami-ku, Tokyo 168-0072 JAPAN	
Citizenship	Japan	
Post Office Address	same as residence	

Full name of third inventor, if any Ryuichi SHIRAI	
Third inventor's signature <i>Ryuichi Shirai</i>	Date 3/2/99
Residence 13-2-103 Shita-machi, Isogo-ku, Yokohama-shi, Kanagawa 235-0004 Japan	
Citizenship Japan	
Post Office Address same as residence	

Full name of fourth inventor, if any	
Fourth inventor's signature	Date
Residence	
Citizenship	
Post Office Address	

Full name of fifth inventor, if any	
Fifth inventor's signature	Date
Residence	
Citizenship	
Post Office Address	

Full name of sixth inventor, if any	
Sixth inventor's signature	Date
Residence	
Citizenship	
Post Office Address	

ASSIGNMENT

WHEREAS, I, Yasuhisa FUKUI, inventor residing at 5-7-6 Kichijouji Kita-cho, Musashino-shi Tokyo 180-0001 JAPAN; and I, Satoshi NAGATA, inventor residing at 3-28-24-503 Takaido Higashi, Suginami-ku, Tokyo 168-0072 Japan, and I, Ryuichi SHIRAI, inventor residing at 13-2-103 Shita-machi, Isogo-ku, Yokohama-shi Kanagawa 235-0004 Japan (hereinafter referred to as "Assignors"), have invented certain new and useful improvements in "Monoclonal Antibody Recognizing Phosphatidylinositol-3,4,5-Triphosphate", for which an application for United States Letters Patent with the same title shall be filed with the United States Patent and Trademark Office, under application number 09/257,069 and a filing date of February 24, 1999, claiming priority from Japanese application 10-252921 filed September 7, 1998, and

WHEREAS, Medical & Biological Laboratories Co., Ltd., a Japanese Corporation, located at Sumitomo-Shoji Marunouchi Bldg., 5-10, Marunouchi 3-chome, Naka-ku, Nagoya-shi, AICHI 460 Japan, and Yasuhisa FUKUI, residing at the above-listed address, (hereinafter referred to as the "Assignees"), are desirous of acquiring the entire right, title and interest in and to the same invention, and in and to the said application, and any Letters Patent that may issue thereon;

NOW, THEREFORE, TO ALL WHOME IT MAY CONCERN, be it known that for and in consideration of One Dollar (\$1.00), and other valuable and legally sufficient consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned, and transferred, and does hereby sell, assign and transfer to the Assignees, its successors and assigns, their entire right, title and interest for the United States in and to the said invention and in and to the said application and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, in whole or in part, re-examinations, and extensions thereof, and all applications claiming priority therefrom; and the Assignors hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as their interest is concerned, to the Assignees; to have and to hold for the sole and exclusive use and benefit of the Assignees, its successors and assigns, to the full end of the term or terms for which any and all of said Letters Patent for said invention may issue, to the same extent as the Assignors would hold and enjoy if this Assignment had not been made.

The Assignors also have sold, assigned, and transferred, and do hereby sell, assign and transfer to the Assignees, its successors and assigns, their entire right, title and interest in and to the invention disclosed in said application, in all countries of the world foreign to the United States, including the right to file applications and obtain patents for said invention in its own name in said countries and including all rights of priority in said countries under the terms of any applicable international convention; to have and to hold for the sole and exclusive use and benefit of the Assignees, its successors and assigns, to the full end of the term or terms for which any and all of said Letters Patent for said invention may issue, to the same extent as the Assignors would hold and enjoy if this Assignment had not been made.

The Assignors further agree to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights, and also agree, at the request of the Assignees, to testify in any legal proceedings, sign all lawful papers, make all lawful oaths, and generally do everything possible to aid said Assignees, its successors and assigns, to obtain, maintain and enforce patent protection for said invention in all countries.

The Assignors also hereby grant the law firm of Dike, Bronstein, Roberts & Cushman LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this documents.

IN WITNESS WHEREOF, the Assignors have caused this Assignment to be executed.

Dated this 5 day of March, 1999.

Yasuhiro FUKUI
Yasuhiro FUKUI

Dated this 8 day of March, 1999.

Satoshi NAGATA
Satoshi NAGATA

Dated this 8 day of March, 1999.

Ryuichi SHIRAI
Ryuichi SHIRAI

Witness: Emi Nakao
Print or type name: Emi Nakao

Witness: Yumiko Kido
Print or type name: Yumiko Kido